

# Job Title: Galileo System AIV Engineer

Req ID 8758 - Posted 16/07/2019



## EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Navigation.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

### Post

#### Galileo System AIV Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

### Location

ESTEC, Noordwijk, The Netherlands

### Description

Reporting to the Head of the Galileo System AIV Unit, Galileo System Procurement Service, Galileo System Office, Galileo Programme Department, Directorate of Navigation, the postholder will be responsible for verifying compatibility between the ground segment and the space segment, integration and verification of the external interfaces to the service facilities and verifying the functional chains in the Galileo system. This will include organising and executing associated test campaigns under ESA responsibility in close collaboration with industry and other Programme stakeholders (GSA, EC). The postholder will also support related system engineering tasks under the project in coordination with the System Engineering Unit.

### Duties

The responsibilities of this post include:

- Work with Industry to define test plans, test cases and test procedures for:
  - System external interface testing with external service providers (including Timing and Geodetic Service Providers, SAR Return Link Service Provider, etc.)
  - System Compatibility Test Campaign (SCTC) in the area of System end-to-end testing with the satellite on-ground in the loop;
  - System functional testing (including monitoring and control, mission planning, time provision and synchronisation, and dissemination of navigation data);
- Plan associated test campaigns in accordance with the System Integration and Verification Plan and Project level working schedule;
- Work closely with the Test Directors in the SETA industrial support teams during the preparation and execution of System External Interface and Functional Tests;
- Prepare the associated test reports in support of the System Qualification Reviews;
- Manage the technical procurement of the necessary test tools and infrastructure in accordance with above plans;
- Follow up the closure of corresponding System NCRs and ARs in coordination with the Product Assurance Office;
- Follow up of the System Verification Status in coordination with the Verification Control Board;
- Acting as focal point for all day-to-day issues related to functions within the Galileo Core Infrastructure and between the Galileo Core Infrastructure and Galileo Service & Support Facilities;
- Liaise with the Galileo Security Office, as needed, for the system functional testing of the classified functionalities;
- Liaise with the Galileo Ground Segment and Operations teams for test preparation and results follow up.

## Technical competencies

ESA Space systems development, verification and review processes and standards  
Management and monitoring of industrial activities (interfaces with industry, reviews, etc)  
Knowledge and experience of ground segment, simulators and early operations  
Experience in the field of Satellite and Radio navigation principles, systems and related technologies  
Knowledge on large scale complex ground and space system architecture including interfaces, networks and protocols  
Experience in mission, spacecraft and/or payload operations  
Design, development, deployment and testing of complex secure systems

## Behavioural competencies

Communication  
Results Orientation  
Problem Solving  
Planning & Organisation  
Teamwork  
Relationship Management

## Education

Applicants should have a Master's degree or equivalent in physics, electrical or aerospace engineering or a related field.

## Additional requirements

Applicants for this position should have at least 5 years of experience in the field of system-level testing, including the organisation of related campaigns. They shall also demonstrate a good knowledge of Ground Segment and/or Satellite operations and infrastructure. Proven experience in the verification of a complex satellite system, with several satellites and ground stations, providing services to users, possibly in the GNSS context, is an asset. They should be able to demonstrate an awareness of data sensitivity and protection mechanism to ensure data confidentiality and integrity. Applicants should be able to demonstrate that they can handle pressure and conflict as may typically occur in a project team. They should be results-oriented, able to set priorities, capable of presenting practical solutions both verbally and in writing.  
The applicants shall be ready to take security clearance from the national relevant authority.

## Other information

For behavioural competencies expected from ESA staff in general, please refer to the ESA Competency Framework.

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset.

The Agency may require applicants to undergo selection tests.

### **The closing date for applications is 27 August 2019.**

If you require support with your application due to a disability, please email [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

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Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States. (<http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.